

Title (en)

A VEHICLE PEDESTRIAN IMPACT SENSOR ARRANGEMENT

Title (de)

FAHRZEUG MIT FUSSGÄNGERAUFPRALLSENSORANORDNUNG

Title (fr)

AGENCEMENT DE CAPTEUR D'IMPACT ENTRE UN VÉHICULE ET UN PIÉTON

Publication

**EP 2794359 A4 20150812 (EN)**

Application

**EP 11878001 A 20111221**

Priority

SE 2011051552 W 20111221

Abstract (en)

[origin: WO2013095223A1] The present invention relates to a vehicle impact sensor arrangement adapted to detect an impact between a vehicle (1) and a pedestrian, the vehicle (1) having a forward direction of movement (D). The sensor arrangement (11) comprises a vehicle bumper absorbing material (7) and a vehicle bumper beam (8) which have a respective longitudinal extension that mainly extends across the forward direction of movement (D). The sensor arrangement (11) further comprises a sensor device (S) which in turn comprises a microwave conductor arrangement (12, 12', 37, 41, 42, 42'), the microwave conductor arrangement (12, 12', 37, 41, 42, 42') having a first port (P1) and a second port (P2), and being arranged for conducting electromagnetic energy. The sensor arrangement (11) further comprises a microwave signal generator (14) and at least one microwave signal receiver (15, 16).

IPC 8 full level

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CPC (source: EP)

**B60R 19/483** (2013.01); **B60R 21/0136** (2013.01)

Citation (search report)

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